

PRESSURE MEASUREMENT IN MICROWAVE-ASSISTED CHEMICAL SYNTHESIS

ABSTRACT OF THE DISCLOSURE

A pressure-measuring vessel system for microwave assisted chemical processes is disclosed. The vessel system includes a pressure resistant vessel that is otherwise transparent to microwave radiation, a pressure-resistant closure for the mouth of the vessel, with portions of the closure including a pressure resistant synthetic membrane, a pressure transducer external to the vessel, and a tube extending from the transducer, through the membrane and into the vessel for permitting the pressure inside the vessel to be applied against the transducer while the closure and membrane otherwise maintain the pressure resistant characteristics of the vessel.

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